

Geological Report

American Warrior, Inc.

Clark #7-2

2046' FSL & 335' FEL

Sec. 2, T25s, R31w

Finney County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Clark #7-2
2046' FSL & 335' FEL
Sec. 2, T25s, R31w
Finney County, Kansas
API # 15-055-22335-00-00

Drilling Contractor: Duke Drilling Co. Rig #10

Geologist: Kevin Timson

Spud Date: August 13, 2014

Completion Date: August 22, 2014

Elevation 2846' G.L.
2857' K.B.

Directions: From Garden City Airport. Go SE on Hwy 50 1 mile to Aerodrome Rd. Go 1 ½ miles East on Aerodrome and South on lease road and West into.

Casing: 1688' 8 5/8" #24 Surface Casing
5030' 5 ½" #15.5 Production Casing

Samples: 4600' to RTD 10' Wet & Dry

Drilling Time: 3950' to RTD

Electric Logs: Pioneer Energy Services "C. Desaire"
Stacked-Micro

Drillstem Tests: Three-Trilobite Testing "Sam Esparza & Justin Harris"

Problems: None

Formation Tops

Clark #7-2

Sec. 2, T25s, R31w

2046' FSL & 335' FEL

Anhydrite	1899' +958
Base	1973' +884
Heebner	4021' -1164
Lansing	4067' -1210
Stark	4428' -1571
Bkc	4557' -1700
Marmaton	4582' -1725
Pawnee	4655' -1798
Fort Scott	4678' -1821
Cherokee	4693' -1836
Morrow	4853' -1996
Miss	4873' -2016
RTD	5050' -2193
LTD	5048' -2191

Sample Zone Descriptions

Morrow (4853', -1996): Covered in DST #1

Sandstone. Grey/Glauconitic. Fine to medium grain. Well rounded, well sorted. Fair to good stain. Poor to fair saturation. No show of free oil. Poor to fair. 10 units hotwire.

St. Louis (4843', -2004): Covered in DST #2 & #3

Ls. Tan. Sub crystalline. Fair oomoldic and oolycastic porosity. Fair stain and fair saturation in porosity. Slight show of free oil when broken. Poor odor. 40 units hotwire.

Drill Stem Tests
 Trilobite Testing
 “Sam Esparza & Justin Harris”

DST #1

Morrow

Interval (4830’ – 4883’) Anchor 53’

IHP	- 2392 #	
IFP	- 30” – No blow	15-17 #
ISI	- 30” – No return	40 #
FFP	- 10” – No Blow	18-21 #
FSIP	- Pull Tool	NA
FHP	- 2345 #	
BHT	- 118° F	
Recovery:	5’ Mud	

DST #2

St. Louis

Interval (4910’ – 4936’) Anchor 26’

IHP	- 2478 #	
IFP	- 30” – No blow	15-17 #
ISI	- 30” – No return	18 #
FFP	- 10” – No blow	16-17 #
FSIP	- Pull Tool	NA
FHP	- 2409 #	
BHT	- 120° F	
Recovery:	5’ Mud	

DST #3

St. Louis

Interval (4920’ – 4967’) Anchor 47’ Tail Pipe 81’

IHP	- 2549 #	
IFP	- 45” – WSB built to 6”	33-58#
ISI	- 45” – No return	936 #
FFP	- 45” – BOB in 11 min	67-81 #
FSIP	- 45” – No return	837 #
FHP	- 2343 #	
BHT	- 124° F	

Recovery: 140’ GOCM (20 % Oil, 5% Gas)

609’ GIP

Structural Comparison

	American Warrior, Inc. Clark #7-2 Sec. 2, T25s, R31w 2046' FSL & 335' FEL		American Warrior, Inc. Clark #1-2 Sec. 2, T25s, R31w 2415' FSL & 1145' FEL		American Warrior, Inc. Clark #3-2 Sec 2, T25s, R31w 2165' FSL & 1738' FEL
Formation					
Heebner	4021' -1164	-6	4002' -1158	-20	3983' -1144
Lansing	4067' -1210	-6	4048' -1204	-17	4032' -1193
Stark	4428' -1571	-4	4411' -1567	-13	4397' -1558
BKC	4557' -1700	-4	4540' -1696	-11	4528' -1689
Marmaton	4582' -1725	-5	4564' -1720	-12	4552' -1713
Pawnee	4655' -1798	-7	4635' -1791	-12	4625' -1786
Fort Scott	4678' -1821	-7	4658' -1814	-14	4646' -1807
Cherokee	4693' -1836	-6	4674' -1830	-22	4653' -1814
Morrow	4853' -1996	-11	4829' -1985	-15	4820' -1981
Miss	4873' -2016	-2	4858' -2014	-12	4843' -2004

Summary

The location for the Clark #7-2 well was found via 3-D seismic survey. The new well ran structurally as expected. Three drill stem tests were conducted, one of which recovered commercial quantities of oil from the St. Louis Limestone formation. After all the gathered data had been examined, the decision was made to run 5 1/2" production casing to further evaluate the Clark #7-2 well.

Perforations

Primary: St. Louis (4934' – 4942') Covered in DST #3

Respectfully Submitted,

Kevin Timson
American Warrior, Inc.

